

# Work Order ID 83116

Friday, April 13, 2012 8:24:20 AM

**\*83116\***

Page 1

Item ID: D350-607-043

Accept

**\*N900040100\***

Setup Start **\*NS1\***

Revision ID:

Stop **\*NS2\***

Item Name: Heli-Utility-Basket

Start Date: 4/12/2012 Start Qty: 1.00

**\*1\***

Cust Item ID:

Required Date: 4/26/2012 Req'd Qty: 1.00

**\*1\***

Customer:

Reference:

Approvals: Process Plan:

Date: 12-04-12 Tooling:

Date:

QC:

Date: SPC (Y/N):

Date:

Run Start **\*NR1\***

Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr

Revision Nbr

D350-607-1

A

100

0.00

**\*100\***

DC

Document Control

DOCUMENT CONTROL

Memo

0.00

Photocopy bluefile & type labels per PPPD350-607-043 CH000

*per EN12603 LABEL only*

*MLJ 12-09-19*

*W 12 09 20*

110

Pick Kit

0.00

**\*110\***

Packaging

Packaging

Memo

0.00

*12/09/19 JB*

120

Small Fab

0.00

**\*120\***

Small Fab

Small Fab

Memo

0.00

Assemble as per Dwg D350-607

Seal Support Gusset with Sikaflex -291

Batch: *122443*

Exp Date: *12-3*

*12-9-19*

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

**Work Order ID 83116**

Friday, April 13, 2012 8:24:21 AM

**\*83116\***

Page 2

Item ID: D350-607-043

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**\*N900040100\***Setup Start **\*NS1\***

Revision ID:

Stop **\*NS2\***

Item Name: Heli-Utility-Basket

Start Date: 4/12/2012 Start Qty: 1.00

**\*1\***

Cust Item ID:

Required Date: 4/26/2012 Req'd Qty: 1.00

**\*1\***

Customer:

Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

Run Start **\*NR1\***

QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130 <b>*130*</b> QC Quality Control	QC5- Inspect part completeness to step on W/O  Memo	0.00 0.00							
140 <b>*140*</b> Packaging Packaging	Pick Kit  Memo	0.00 0.00							
150 <b>*150*</b> QC Quality Control	QC4- 100% Inspect kits for completeness  Memo	0.00 0.00							

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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**Work Order ID 83116**

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**\*83116\***

Page 3

Item ID: D350-607-043

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**\*N900040100\***Setup Start **\*NS1\***

Revision ID:

Stop **\*NS2\***

Item Name: Heli-Utility-Basket

Start Date: 4/12/2012 Start Qty: 1.00

**\*1\***

Cust Item ID:

Required Date: 4/26/2012 Req'd Qty: 1.00

**\*1\***

Customer:

Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

Run Start **\*NR1\***

QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
160		0.00							
<b>*160*</b>	Packaging								
Packaging	Memo	0.00							
Packaging	Identify and pack for shipping as per PPP D350-607-043 Location: _____								
170	QC21- Final Inspection - Work Order Release	0.00							
<b>*170*</b>									
QC	Memo	0.00							
Quality Control									



MLJ 12-09-20

MLJ 12-09-20

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

Friday, April 13, 2012 8:24:31 AM

**\*83116\***

**\*D350-607-043\***

**Required Date:** 4/26/2012

**Required Qty: 1.00**

**Comments:** IPP Rev:E as Per DSI9318 06-01-24 JLM  
IPP Rev:F ECN1068 07-12-21 DD verified by:ec IPP rev:G as  
per ecn10-545 DD 10.04.19 verified by:EC

[illegible]

# Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries



# Picklist Print

Page 2

Friday, April 13, 2012 8:24:31 AM

Work Order ID: 83116

**\*83116\***

Parent Item: D350-607-043

**\*D350-607-043\***

Parent Item Name: Heli-Utility-Basket

Start Date: 4/12/2012

Required Date: 4/26/2012

Start Qty: 1.00

Required Qty: 1.00

D2258-200

Manufactured No

110

Each

20.0000

1

1

\*\*

**\*D2258-200\***

Placard 200lb

Location

Loc Qty

Loc Code

ST505

20

81888

20

81888

D2332-041

Manufactured No

110

Each

13.0000

1

1

\*\*

**\*D2332-041\***

Lid Prop Assembly 6.69" long

Location

Loc Qty

Loc Code

ST512

13

77353

13

D2530

Manufactured No

110

Each

10.0000

1

1

\*\*

**\*D2530\***

Handle Weldment

Location

Loc Qty

Loc Code

ST506

10

77030

1

82150

9

D2535

Manufactured No

110

Each

22.0000

2

2

\*\*

**\*D2535\***

Spring

Location

Loc Qty

Loc Code

ST504

22

77488

22

86333 JB 12/09/19

Friday, April 13, 2012 8:24:31 AM

Shop Packet Print

Page 2

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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Page 3

Friday, April 13, 2012 8:24:32 AM

Work Order ID: 83116

**\*83116\***

Parent Item: D350-607-043

**\*D350-607-043\***

Parent Item Name: Heli-Utility-Basket

Start Date: 4/12/2012

Required Date: 4/26/2012

Start Qty: 1.00

Required Qty: 1.00

D2537

Manufactured No

110

Each

12.0000

2

2

✓

**\*D2537\***

Bushing

\*\*

86862 JB

Location

Loc Qty

Loc Code

ST504

12

77055

12

D2931

Manufactured No

110

Each

472.0000

2

2

✓

**\*D2931\***

Bumper

\*\*

JB

Location

Loc Qty

Loc Code

ST504

472

46064

472

46064

D2989-041

Manufactured No

110

Each

0.0000

1

1

**\*D2989-041\***

Basket Lid Assembly

\*\*

83117

D2989-043

Manufactured No

110

Each

0.0000

1

1

**\*D2989-043\***

Basket Lid Assembly

83118

\*\*

1

12/18-9.19

AN3-16A

Purchased No

110

Each

113.0000

2

2

✓

**\*AN3-16A\***

Bolt

\*\*

121708 JB

12/09/19

Location

Loc Qty

Loc Code

ST352

113

117441

47

118628

16

120986

50

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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Page 4

Friday, April 13, 2012 8:24:32 AM

Work Order ID: 83116

**\*83116\***

Parent Item: D350-607-043

**\*D350-607-043\***

Parent Item Name: Heli-Utility-Basket

Start Date: 4/12/2012

Required Date: 4/26/2012

Start Qty: 1.00

Required Qty: 1.00

AN4-13A Purchased No

110 Each

1,327.000

2

2

\*\*

122808 JB

**\*AN4-13A\***

Bolt

Location

Loc Qty

Loc Code

ST357

1327

119449

39

120187

48

120422

340

120770

400

121162

500

AN4-22A Purchased No

110 Each

206.0000

7

7

\*\*

122416 JB

**\*AN4-22A\***

Bolt

Location

Loc Qty

Loc Code

ST359

206

114523

1

116419

49

117313

6

118628

100

120930

50

AN5-17A Purchased No

110 Each

136.0000

4

4

\*\*

122151 JB 12/09/19

**\*AN5-17A\***

Bolt

Location

Loc Qty

Loc Code

338

94

121181

94

ST338

42

117872

42

Friday, April 13, 2012 8:24:32 AM

Shop Packet Print

Page 4

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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# Picklist Print

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Friday, April 13, 2012 8:24:32 AM

Work Order ID: 83116

\*83116\*

Parent Item: D350-607-043

\*D350-607-043\*

Parent Item Name: Heli-Utility-Basket

Start Date: 4/12/2012

Required Date: 4/26/2012

Start Qty: 1.00

Required Qty: 1.00

MS20600-AD4W3 Purchased No

110 Each 1,122.000 2 2

\*MS20600-AD4W3\*

Cherry Rivets

\*\*

122452 JB

Location

Loc Qty

Loc Code

ST321

989

111636

36

117601

15

118626

598

120308

340

WA018

133

107939

133

AN960JD416 NAS1149D0463J Purchased No

110 Each 10.0000 14 14

\*AN960.ID416\*

Washer

\*\*

122452 JB

Location

Loc Qty

Loc Code

ST351

10

116289

10

AN960JD416L NAS1149D0416J Purchased No

110 Each 8.0000 2 2

\*AN960.ID416I \*

Washer

\*\*

122441 JB

Location

Loc Qty

Loc Code

FP002

8

110153

8

AN960JD516 NAS1149D0563J Purchased No

110 Each 0.0000 4 4

\*AN960.ID516\*

Washer

\*\*

121255 JB

AN960JD8 NAS1149DN832 Purchased No

110 Each 0.0000 2 2

\*AN960.ID8\*

Washer

\*\*

122441 JB 12/09/19

Friday, April 13, 2012 8:24:32 AM

Shop Packet Print

Page 5

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
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Friday, April 13, 2012 8:24:32 AM

Work Order ID: 83116

**\*83116\***

Parent Item: D350-607-043

**\*D350-607-043\***

Parent Item Name: Heli-Utility-Basket

Start Date: 4/12/2012

Required Date: 4/26/2012

Start Qty: 1.00

Required Qty: 1.00

NAS1515H4 Purchased No

110 Each

180.0000 2 2 ✓

**\*NAS1515H4\***

Washer

\*\*

*JB*

Location

Loc Qty

Loc Code

ST277

180

116169

3

117460

1

117735

3

118078

48

118612

9

120120

50

120770

50

121060

16

*118078*

AN970-4 Purchased No

110 Each

248.0000 4 4 ✓

**\*AN970-4\***

Washer

\*\*

*JB*

*12/09/19*

Location

Loc Qty

Loc Code

ST344

248

115936

11

116900

3

120308

3

120644

30

121285

201

*121285*

Friday, April 13, 2012 8:24:32 AM

Shop Packet Print

Page 6

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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# Picklist Print

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Friday, April 13, 2012 8:24:32 AM

Work Order ID: 83116

**\*83116\***

Parent Item: D350-607-043

**\*D350-607-043\***

Parent Item Name: Heli-Utility-Basket

Start Date: 4/12/2012

Required Date: 4/26/2012

Start Qty: 1.00

Required Qty: 1.00

MS21042L3 Purchased No 110 Each 2,981.000 2 2 ✓  
**\*MS21042I 3\*** \*\* 122141 JB  
 Nut

Location	Loc Qty	Loc Code
ST300	2981	
117441	16	
117885	32	
118451	5	
118927	3	
119017	1759	
119075	166	
121349	1000	

MS21042L4 Purchased No 110 Each 3,733.000 9 9 ✓  
**\*MS21042I 4\*** \*\* 122452 JB  
 Nut

Location	Loc Qty	Loc Code
ST300	3733	
116188	5	
119017	4	
119075	1724	
121011	2000	

MS21042L5 Purchased No 110 Each 1,421.000 4 4 ✓  
**\*MS21042I 5\*** \*\* 121652 JB 12/09/19  
 Nut

Location	Loc Qty	Loc Code
ST300	1421	
116105	5	
116548	43	
117611	38	
119109	1335	

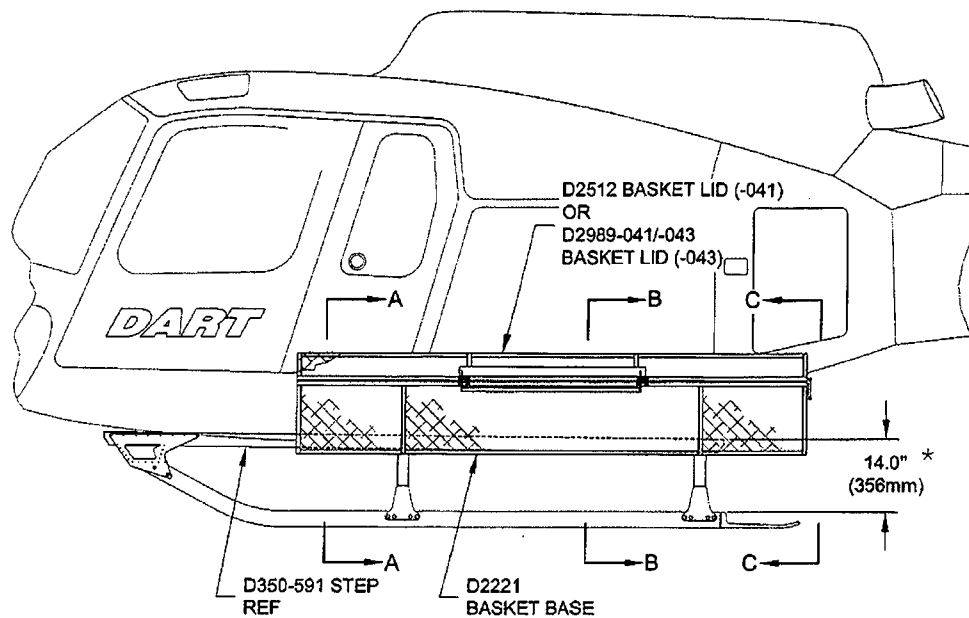
W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

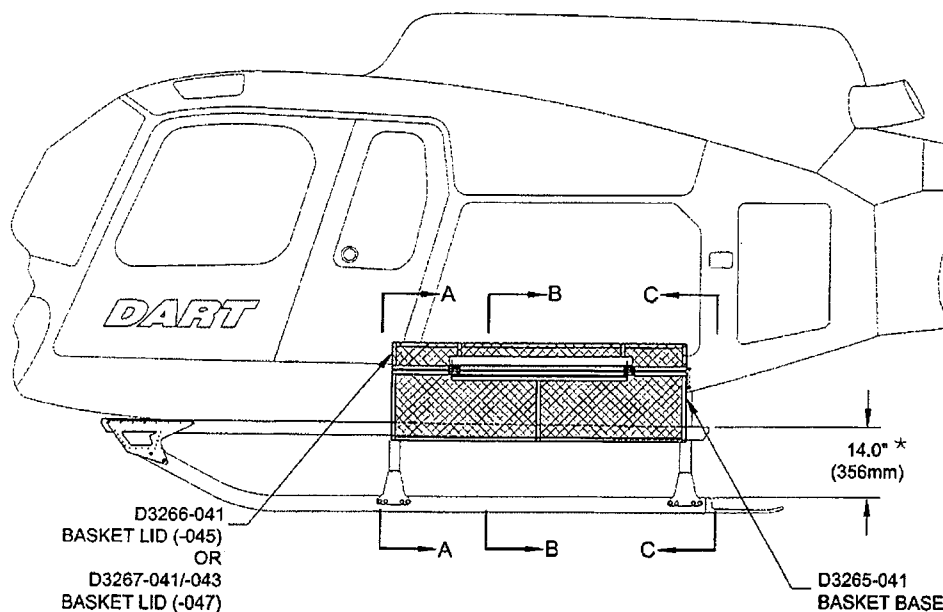
NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries



**Figure 1a – D350-607-041 Heli-Utility-Basket™ Installation, or  
D350-607-043 Heli-Utility-Basket™ Installation**  
(LH Installation Shown, RH Opposite)

SHOP COPY  
RETURNED  
TO SENDER  
UNLESS OTHERWISE  
NOTED  
SUBJECT TO AMENDMENT  
WITHOUT NOTICE  
WORK ORDER  
83116  
11/12/02



**Figure 2a – D350-607-045 Heli-Utility-Basket™ Installation, or  
D350-607-047 Heli-Utility-Basket™ Installation**  
(LH Installation Shown, RH Opposite)

\* Proper position for step installation on high gear only

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Revision: A

Date: 10.03.10

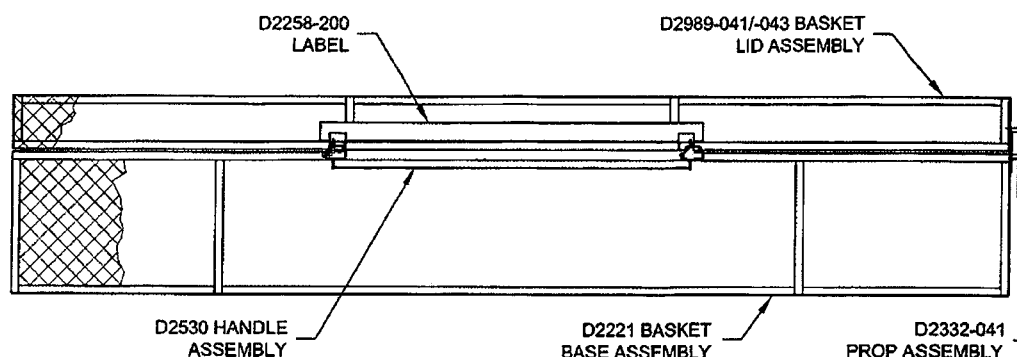
W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

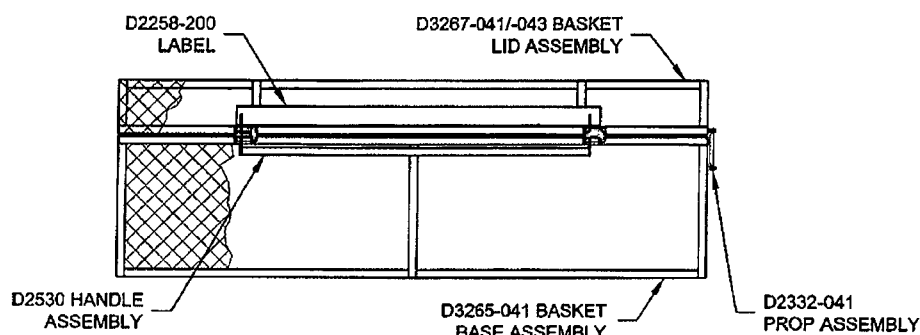
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DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
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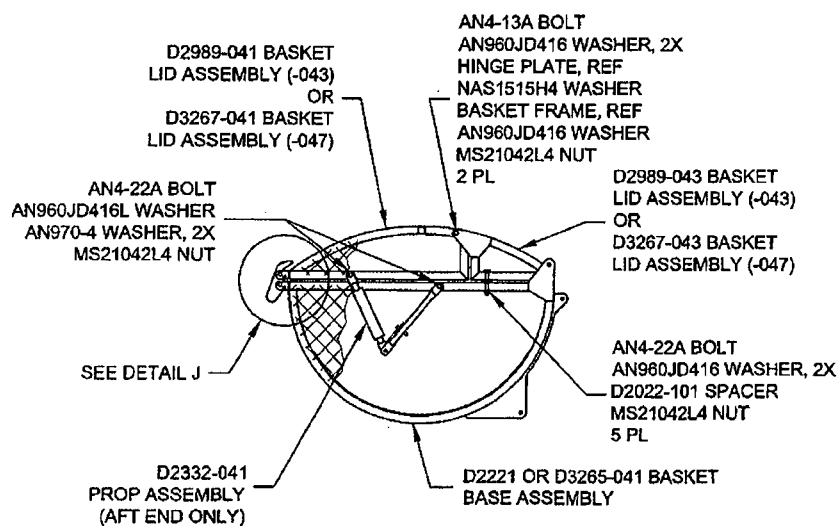
**NOTE:** Date & initial all entries



**D350-607-043 HELI-UTILITY- BASKET™**



**D350-607-047 HELI-UTILITY- BASKET™**



**VIEW C-C  
PROP ARM DETAIL**

**Figure 6- Basket Replacement Parts**

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Revision: **A**  
Date: 10.03.10

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

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